

Vesicular Stomatitis 2014

Situation Report – January 7, 2014

Information Current as of 5:00 pm MDT, January 6, 2014

(Updated information listed in blue ink)

New Information

On January 6, 2015, the National Veterinary Services Laboratories in Ames, Iowa confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on an equine premises in Santa Cruz County, Arizona. Two (2) horses on the premises met the case definition of VSV infection with compatible clinical signs and positive complement fixation antibody titers. This is the 2014-2015 VSV index case for Arizona.

To date, a total of **four hundred thirty-four (434)** VSV-positive premises (New Jersey serotype) have been confirmed in **four** U.S. states; **Arizona (1 premises)**, **Colorado (370 premises)**, **Nebraska (1 premises)**, and **Texas (62 premises)**. There has been **1 county affected in Arizona (Santa Cruz)**, 17 counties affected in Colorado (Adams, Arapahoe, Boulder, Broomfield, Douglas, Elbert, El Paso, Fremont, Huerfano, Jefferson, Larimer, Logan, Morgan, Otero, Pueblo, Sedgwick, and Weld Counties), 1 county affected in Nebraska (Wheeler County), and 13 counties affected in Texas (Bastrop, Falls, Guadalupe, Hidalgo, Jim Wells, Kinney, Lee, McLennan, Nueces, San Patricio, Travis, Val Verde, and Williamson Counties). Of the **434** total VSV-positive premises, **404** have been positive equine premises, **27** have been positive bovine premises, and **3** premises have had both cattle and horses positive.

Positive premises are eligible for quarantine release 21 days after lesions have healed in all affected animals. To date, **three hundred fifty-nine (359)** premises in Colorado have been released from quarantine and there are an additional **eight (8)** premises in Colorado on 21-day countdown to quarantine release. As of October 13, 2014, all confirmed VSV-positive premises in Texas were released from quarantine. As of December 22, 2014, all confirmed VSV-positive premises in Nebraska were released from quarantine. **There are currently twelve (12) confirmed VSV-positive premises under quarantine; eleven (11) in Colorado and one (1) in Arizona.**

Map Information

See adjoining maps for current and cumulative positive premises information

Current: Counties with Positive Premises Remaining Under Quarantine

Note: **Does NOT include data from premises already released from quarantine. See Cumulative information section.**

STATE	COUNTY	PREMISES
Arizona	Santa Cruz	1
Colorado	Adams	2
	Elbert	1
	El Paso	1
	Fremont	2
	Morgan	1
	Otero	4
TOTAL	7	12

Current Statistics for Premises Remaining Under Quarantine

Note: Does NOT include data from premises already released from quarantine. See Cumulative Statistics.

Current Positive Premises	Arizona	Colorado	Nebraska	Texas	Total
Current Positive Premises Under Quarantine	1	11	0	0	12
Premises on 21-day Countdown to Quarantine Removal	0	8	0	0	8
Current Counties with Positive Premises	1	6	0	0	7

Current Positive Species	Arizona	Colorado	Nebraska	Texas	Total
Positive Equine Species	2	12	0	0	14
Positive Bovine Species	0	5	0	0	5
Positive Porcine Species	0	0	0	0	0
Positive Ovine Species	0	0	0	0	0
Positive Caprine Species	0	0	0	0	0
Positive Other Species	0	0	0	0	0
Total Positive Animals	2	17	0	0	19

Current Susceptible Species	Arizona	Colorado	Nebraska	Texas	Total
Susceptible Equine Species	12	168	0	0	180
Susceptible Bovine Species	5	4142	0	0	4147
Susceptible Porcine Species	0	3	0	0	3
Susceptible Ovine Species	0	60	0	0	60
Susceptible Caprine Species	0	20	0	0	20
Susceptible Other Species	0	22	0	0	22
Total Susceptible Animals	17	4415	0	0	4432

*Current susceptible species counts include current positive cases.

Cumulative: Counties with Positive Premises (since the start of the outbreak)

STATE	COUNTY	PREMISES
Arizona	Santa Cruz	1
Colorado	Adams	17
	Arapahoe	3
	Boulder	76
	Broomfield	3
	Douglas	2
	Elbert	1
	El Paso	6
	Fremont	6
	Huerfano	1
	Jefferson	24
	Larimer	87
	Logan	5
	Morgan	6
	Otero	7
	Pueblo	28
	Sedgwick	1
Weld	97	
Nebraska	Wheeler	1*
Texas	Bastrop	37
	Falls	1
	Guadalupe	1
	Hidalgo	2
	Jim Wells	1
	Kinney	1
	Lee**	1
	McLennan	1
	Nueces	2
	San Patricio	2
	Travis	10
	Val Verde	1
	Williamson	2
TOTAL	32	434

* A second epidemiologically-linked premises in Wheeler County also had cattle showing clinical signs of VSV and was managed as a presumptive positive premises, although laboratory confirmation was not performed.

**Horses in Lee County were confirmed to have been infected in Bastrop County, but were illegally moved.

Cumulative Statistics (for all premises since the start of the outbreak)

Cumulative Positive Premises	Arizona	Colorado	Nebraska	Texas	Total
Cumulative Positive Premises Quarantined	1	370	1	62	434
Cumulative Counties with Positive Premises	1	17	1	13	32

Cumulative Positive Species	Arizona	Colorado	Nebraska	Texas	Total
Positive Equine Species	2	495	0	89	586
Positive Bovine Species	0	48	4	8	60
Positive Porcine Species	0	0	0	0	0
Positive Ovine Species	0	0	0	0	0
Positive Caprine Species	0	0	0	0	0
Positive Other Species	0	0	0	0	0
Total Positive Animals	2	543	4	97	646

Cumulative Susceptible Species	Arizona	Colorado	Nebraska	Texas	Total
Susceptible Equine Species	12	3805	0	619	4436
Susceptible Bovine Species	5	6764	236	2023	9028
Susceptible Porcine Species	0	24	0	3	27
Susceptible Ovine Species	0	140	0	4	144
Susceptible Caprine Species	0	223	0	64	287
Susceptible Other Species	0	105	0	2	107
Total Susceptible Animals	17	11061	236	2715	14029

*Cumulative susceptible species counts include positive cases.

Background Information

On May 23, 2014, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa, confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on an equine premises in Kinney County, Texas. Four affected horses on the premises met the case definition of infection with compatible clinical signs and either virus isolation or positive complement fixation antibody titers. This was the 2014 VSV index case for the nation.

On July 17, 2014, the National Veterinary Services Laboratories in Ames, Iowa, confirmed findings of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on two (2) equine premises in Weld County, Colorado. These were the index cases for Colorado. Three affected horses on one premises and one affected horse on the other premises met the case definition of VSV infection with compatible clinical signs and either positive complement fixation antibody titers or positive virus isolation.

On October 13, 2014, the last confirmed VSV-positive premises in Texas was released from quarantine.

On November 22, 2014, the National Veterinary Services Laboratories' Foreign Animal Disease Diagnostic Laboratory on Plum Island, NY confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on a bovine premises in Wheeler County, Nebraska. Three (3) head of cattle on the premises met the case definition of infection with compatible clinical signs and positive complement fixation antibody titers. This is the 2014 VSV index case for Nebraska. A second epidemiologically-linked bovine premises in Wheeler County, NE also had cattle showing clinical signs and was managed as a presumptive positive premises.

On December 22, 2014, the last confirmed VSV-positive premises in Nebraska was released from quarantine.